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L1 ANSWER 1 OF 1 WPINDEX COPYRIGHT 2003 THOMSON DERWENT on STN  
ACCESSION NUMBER: 1991-376558 [51] WPINDEX  
DOC. NO. CPI: C1991-162398  
TITLE: Foaming of thermoplastic elastomer blends of  
polypropylene and rubber - by heating, mixing with water  
under pressure and releasing.  
DERWENT CLASS: A18 A21 A88  
INVENTOR(S): DUMBAULD, G L  
PATENT ASSIGNEE(S): (ADEL-N) ADVANCED ELASTOMER SYSTEMS LP; (ADEL-N) ADV  
ELASTOMER SYST  
COUNTRY COUNT: 19  
PATENT INFORMATION:

PATENT NO	KIND	DATE	WEEK	LA	PG	MAIN	IPC
US 5070111	A	19911203	(199151)*				
EP 503220	A1	19920916	(199238)	EN	6	C08J009-12	
R: AT BE CH DE DK ES FR GB GR IT LI LU NL SE							
CA 2052846	A	19920914	(199249)			C08L021-00	
JP 06073222	A	19940315	(199415)		4	C08J009-12	<--
TW 254954	A	19950821	(199543)			C08J009-12	
KR 9403369	B1	19940421	(199605)			C08J009-12	
EP 503220	B1	19960717	(199633)	EN	6	C08J009-12	
R: AT BE CH DE DK ES FR GB GR IT LI LU NL SE							
DE 69120929	E	19960822	(199639)			C08J009-12	
ES 2090294	T3	19961016	(199647)			C08J009-12	
JP 2855009	B2	19990210	(199911)		4	C08J009-12	
CA 2052846	C	20000620	(200043)	EN		C08L021-00	

APPLICATION DETAILS:

PATENT NO	KIND	APPLICATION	DATE
US 5070111	A	US 1991-668561	19910313
EP 503220	A1	EP 1991-870154	19911003
CA 2052846	A	CA 1991-2052846	19911004
JP 06073222	A	JP 1991-258060	19911004
TW 254954	A	TW 1991-107821	19911004
KR 9403369	B1	KR 1991-17440	19911004
EP 503220	B1	EP 1991-870154	19911003
DE 69120929	E	DE 1991-620929	19911003
		EP 1991-870154	19911003
ES 2090294	T3	EP 1991-870154	19911003
JP 2855009	B2	JP 1991-258060	19911004
CA 2052846	C	CA 1991-2052846	19911004

FILING DETAILS:

PATENT NO	KIND	PATENT NO
DE 69120929	E Based on	EP 503220
ES 2090294	T3 Based on	EP 503220
JP 2855009	B2 Previous Publ.	JP 06073222

PRIORITY APPLN. INFO: US 1991-668561 19910313

INT. PATENT CLASSIF.:

MAIN: C08J009-12; C08L021-00  
SECONDARY: C08J009-06  
INDEX: C08L007:00, C08L009:00; C08L023:10

BASIC ABSTRACT:

US 5070111 A UPAB: 19930928

Foaming a thermoplastic elastomer compsn. (1) comprises (a) heating (1) above the m.pt. of the plastic, (b) mixing 0.1-10 wt. % of H2O as foaming agent under pressure, and (c) releasing the mixt. to atmospheric pressure. Compsn. (1) consists of a blend of (i) crystalline 1-4C alpha olefin polymer (10-90 pts. wt.) and (ii) rubber (90-10 pts. wt.). The prefd. amt. of (b) is sufficient to achieve a density redn. of the foam produced of from 10-70% of that of the compsn.

USE/ADVANTAGE - The foamed thermoplastic elastomer can be used as gaskets or sealing strips, the mixt. can be injected into a mould to produce a foamed thermoplastic part. The foam has good cell structure, low density and a high % of closed cells. (3pp Dwg.No.0/0)

FILE SEGMENT: CPI

FIELD AVAILABILITY: AB

MANUAL CODES: CPI: A04-G01C; A07-A02; A08-B04; A11-B06; A12-S04A2